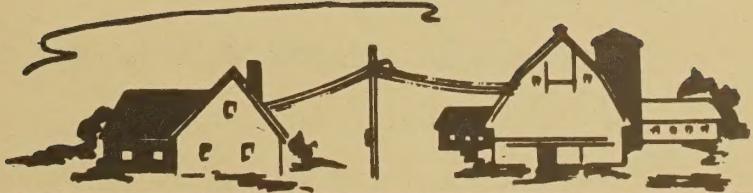


AL-5-LO  
(9-27-46)

# **PROPOSAL & SPECIFICATIONS**

## **FOR ASSEMBLY & INSTALLATION**

### **OF METER LOOPS**

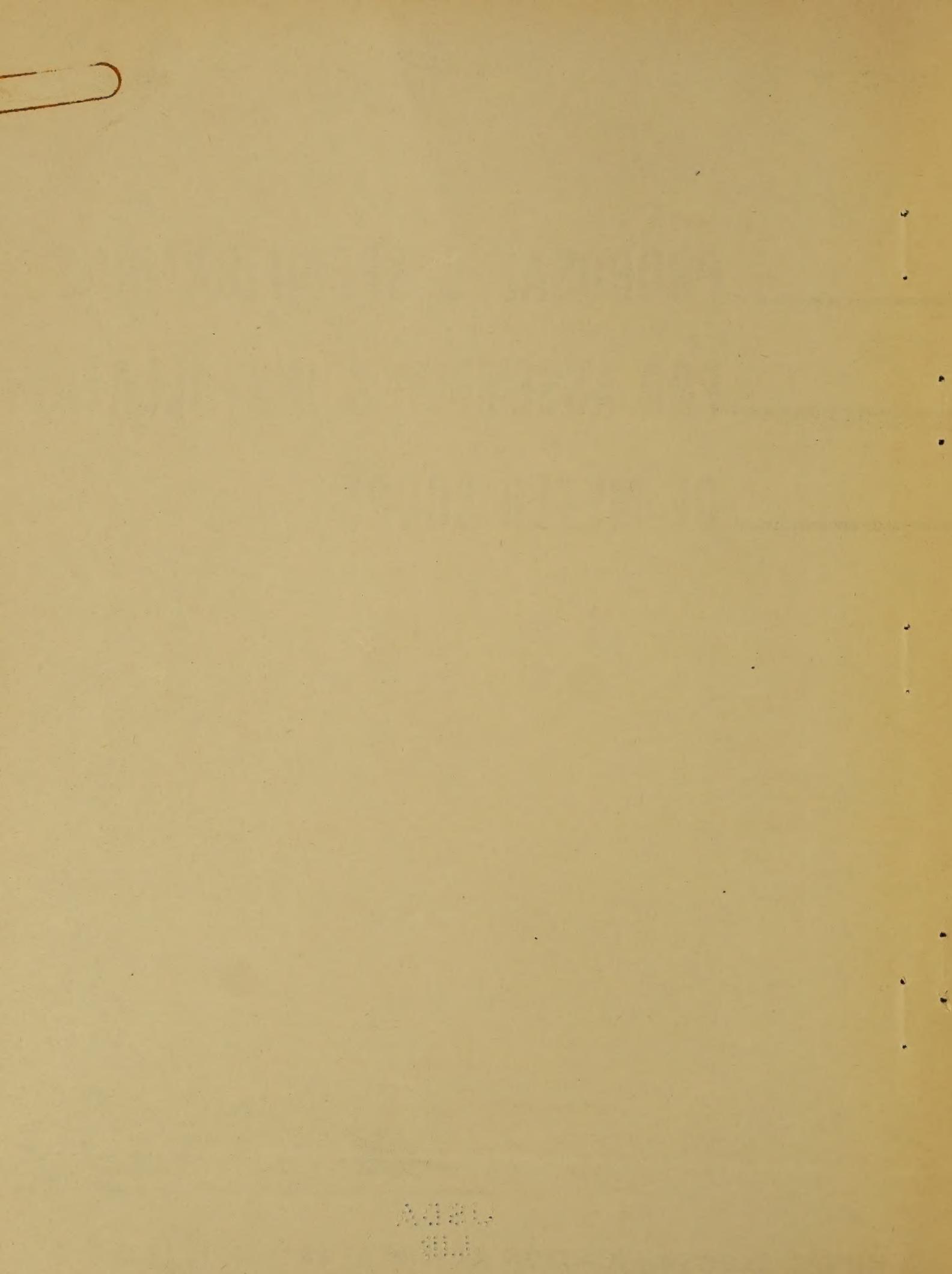


MAY 26 1947

**RURAL ELECTRIFICATION ADMINISTRATION**



**U. S. D. A.**



623936

PROPOSAL TO ASSEMBLE AND INSTALL METER LOOP SERVICE

To \_\_\_\_\_

(hereinafter called the "Owner").

1. GENERAL

(a) The undersigned (hereinafter called the "Bidder") proposes to assemble and install the meter loop services (hereinafter called the "Installations") to the premises of approximately \_\_\_\_\_ consumers of electric energy to be served through the rural electric distribution system of the Owner, which system is designated by the Rural Electrification Administration as \_\_\_\_\_.

The Installations are described in the Specifications, Description of Assembly Units and Drawings therefor attached hereto and made a part hereof. The Bidder agrees to furnish all machinery, tools, equipment, labor, transportation, and other means necessary therefor, for the prices hereinafter stated, and to make the Installations wherever directed so to do by the Owner. Such prices also include the amounts necessary to pay all testing and inspection charges.

(b) The Bidder has made a careful examination of the sites of the Installations and of the Specifications, Description of Assembly Units and Construction Drawings, and has become informed as to the location and nature of the proposed work, the transportation facilities, the kind and character of soil to be encountered and the kind of facilities required before and during the performance of the work and has become acquainted with the labor conditions which would affect the work.

(c) The Bidder understands and agrees that the various Assembly Units on which bids are made in this proposal are as set out in the Description of Assembly Units, that the Owner will furnish all material, that the prices for such units are as listed below, that all said bids are on a unit basis, and that the Owner may specify any number or combination of Assembly Units that the Owner, with the approval of the Administrator of the Rural Electrification Administra-tion (hereinafter called the "Administrator"), may deem necessary for the Installations:

#### RESIDENCE UNITS

<u>Assembly and Installation</u>				<u>Assembly and Installation</u>
<u>Item Nos.</u>	<u>No. of Units</u>	<u>Unit</u>	<u>Size</u>	<u>Unit Price</u>
1	—	#1H1	8/2	_____ ea.
2	—	#1H2	8/2	_____ ea.
3	—	#1H3	8/2	_____ ea.
4	—	#2H1	6/3	_____ ea.
5	—	#2H2	6/3	_____ ea.
6	—	#2H3	6/3	_____ ea.

#### Yard Pole Units (Method -1- Using Conduit)

7	—	#3P1	6/5	_____ ea.
8	—	#4P1	4/5	_____ ea.
9	—	#5P1	2/5	_____ ea.

## (Method -1- Usint Electrical Metallic Tubing)

<u>Item Nos.</u>	<u>No. of Units</u>	<u>Unit</u>	<u>Size</u>	<u>Assembly and Installation Unit Price</u>
10	_____	#3P1	6/5	_____ ea.
11	_____	#4P1	4/5	_____ ea.
12	_____	#5P1	2/5	_____ ea.

## (Method -2- Using Conduit)

13	_____	#3P2	6/5	_____ ea.
14	_____	#4P2	4/5	_____ ea.
15	_____	#5P2	2/5	_____ ea.

## (Method -2- Using Electrical Metallic Tubing)

16	_____	#3P2	6/5	_____ ea.
17	_____	#4P2	4/5	_____ ea.
18	_____	#5P2	2/5	_____ ea.

## (Method -3- Using Condiut)

19	_____	#3P3	6/5	_____ ea.
20	_____	#4P2	4/5	_____ ea.
21	_____	#5P3	2/5	_____ ea.

## (Method -3- Using Electrical Metallic Tubing)

22	_____	#3P3	6/5	_____ ea.
23	_____	#4P3	4/5	_____ ea.
24	_____	#5P3	2/5	_____ ea.

(d) The Bidder will give to the Owner a receipt in such form as the Owner and the Administrator shall approve for all materials furnished by the Owner to the Bidder for the installations. Upon completion of construction of the installations the Bidder will return to the Owner all materials furnished by the Owner in excess of those required for the construction of the installations, as determined from the Final Inventory certified by the Owner and approved by the Administrator. The Bidder will reimburse the Owner, at the invoice cost to the Owner, for all loss or breakage of materials furnished by the Owner to the Bidder.

2. TIME OF COMPLETION. Each installation will be commenced within ten (10) calendar days after the Owner shall have given the Bidder written notice to commence such installation, shall be prosecuted diligently, and each installation will be completed to the satisfaction of the Owner and the Administrator within \_\_\_\_\_ calendar days after the giving of the notice. The time for completion shall be extended for the period of any reasonable delay due exclusively to causes beyond the control and without the fault of the Bidder, including acts of God, fires, floods, and acts or omissions of the Owner with respect to matters for which the Owner is solely responsible; provided, however, that no such delay in the time for completion of the work or in the progress of the work shall result in any liability on the part of the Owner.

3. DEFECTIVE WORKMANSHIP The acceptance of any workmanship by the Owner shall not preclude the subsequent rejection thereof if such workmanship shall be found to be defective after installation, and any such workmanship found defective before final acceptance of

the work or within one (1) year after completion shall be remedied or replaced, as the case may be, by and at the expense of the Bidder. In the event of failure by the Bidder so to do, the Owner may remedy such defective workmanship, as the case may be, and in such event the Bidder shall pay to the Owner the cost and expense thereof.

4. PAYMENTS AND RELEASE OF LIENS.

(a) Payment for each Installation shall be made within fifteen (15) days after a certificate of completion and approval has been given to the Owner by the Wiring Inspector authorized by the Administrator to make such inspection and approval of the invoice pertaining thereto by the Manager of the Owner.

(b) Upon completion of the Installations by the Bidder but prior to the payment to the Bidder of any amount in excess of 90% of the total cost of the completed Installations, or at any other time specified by the Owner, with the approval of the Administrator, the Bidder shall deliver to the Owner in duplicate an affidavit, in a form satisfactory to the Administrator, to the effect that all labor used on or for the Installations has been paid and the Owner shall deliver to the Administrator for the Administrator's approval one of the duplicates of such affidavit.

(c) The Bidder shall pay each subcontractor, if any, within five (5) days after receipt of any payment from the Owner, the amount thereof allowed the Bidder for and on account of work performed by each subcontractor.

5. PROTECTION TO PERSONS AND PROPERTY. The Bidder shall at all times take all reasonable precautions for the safety of employees on the work and of the public and shall comply with all applicable provisions of Federal, State, and Municipal safety laws and building and construction codes. All machinery and equipment and other physical hazards shall be guarded in accordance with the "Manual of Accident Prevention in Construction" of the Associated General Contractors of America, unless such instructions are incompatible with Federal, State, or Municipal laws or regulations. The Bidder will hold the Owner harmless from any and all claims for injuries to persons or for damage to property happening by reason of any negligence on the part of the Bidder, or any of the Bidder's agents or employees during the work.

6. INSURANCE. If the number of consumers to be served as set forth in Paragraph 1 (a) above shall be in excess of \_\_\_\_\_, the Bidder will take out and maintain insurance, satisfactory to the Administrator, in the following minimum requirements:

(a) Adequate workmen's compensation insurance  
(b) Public liability insurance in the limits of \$10,000 for injuries to or death of one person and \$20,000 for one accident, and property damage liability insurance in the limit of \$2,000 per accident and \$10,000 for accidents during the policy period, covering accidents resulting during the work other than by motor vehicles.

(c) Public liability insurance in the same limits as set forth above under (b), and property damage liability insurance in the limit of \$5,000 covering accidents resulting from the operation of any motor vehicle used in connection with the work, whether or not owned by the Bidder.

(d) The Bidder will furnish to the Administrator a certificate evidencing its compliance with the foregoing requirements.

7. COMPLIANCE WITH STATUTES AND REGULATIONS.

(a) The Bidder will comply with all applicable statutes, ordinances, rules and regulations pertaining to the work. The Bidder acknowledges that it is familiar with the Rural Electrification Act as amended, the so-called "Kick-Back" statute (48 statute 948) and regulations issued pursuant thereto, and Section 35 of the United States Criminal Code as amended. The Bidder will furnish each week an affidavit in the form attached hereto and made a part thereof, together with a copy of Bidder's payroll as required by the regulations issued under the "Kick-Back Statute."

(b) It is understood that the obligations of the parties hereunder are subject to the applicable regulations of the Civilian Production Administration, and other Governmental Agencies having jurisdiction.

(c) The Bidder will not discriminate against any employee or applicant for employment because of race, creed, color, or national origin.

8. TERMINATION. The time of completion of each Installation as set forth in Paragraph 2 hereof is of the essence of the contract to be effected by acceptance of the proposal. If the successful Bidder neglects, refuses, or fails to complete the work within such time, the Owner shall have the right to terminate the contract to be effected by acceptance of this Proposal provided it shall have given ten (10) days prior notice in writing to the Bidder of its intention so to do.

9. CUMULATIVE REMEDIES. Every right or remedy herein conferred upon or reserved to the Owner or the Administrator shall be cumulative and shall be in addition to every right and remedy now or hereafter existing at law or in equity or by statute. The pursuit of any right or remedy shall not be construed as an election.

10. BOND. If the number of consumers to be served as set forth in Paragraph 1 (a) above shall be in excess of \_\_\_\_\_, the Bidder, if this Proposal is accepted, will furnish a contractor's bond in the form attached hereto and made part hereof, with a surety or sureties satisfactory to the Owner and the Administrator, in a penal sum not less than the contract price. In the event that the surety or sureties on such bond shall at any time become unsatisfactory to the Owner or the Administrator, the Bidder will deliver to the Owner another or an additional bond in such form and with such surety or sureties as the Owner and the Administrator may approve.

11. NON-ASSIGNMENT OF CONTRACT. The Bidder will not assign the contract effected by the acceptance of the Proposal, or any part thereof, or enter into any contract with any person, firm or corporation for the performance of the Bidder's obligations thereunder, or any part thereof, without the approval in writing of the Owner and the Administrator.

12. APPROVAL BY THE ADMINISTRATOR. No acceptance of this Proposal shall become effective until approved in writing by the Administrator.

\_\_\_\_\_  
Bidder

By \_\_\_\_\_

\_\_\_\_\_  
Title

Date \_\_\_\_\_

\_\_\_\_\_  
Address

AFFIDAVIT

(Pursuant to "Kick-Back Statute")

State of \_\_\_\_\_  
County of \_\_\_\_\_

I, \_\_\_\_\_ (name of party signing affidavit) \_\_\_\_\_ (title), being duly sworn, do depose and say: That I pay or supervise the payment of the persons employed by \_\_\_\_\_ (contractor or sub-contractor) on attached payroll which sets out accurately and completely the name, occupation, and hourly wage rate of each person so employed for the weekly payroll period from the \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_\_, to the \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_\_, the total number of hours worked by him during such period, the full weekly wages earned by him and any deductions made from such weekly wages, and the actual weekly wages paid to him: that no rebates have been or will be made either directly or indirectly to or on behalf of said (contractor or sub-contractor) from the full weekly wages earned as set out on the attached payroll; and that no deductions, other than the permissible deductions, (as defined in the Regulations under the "Kick-Back Act (48 Statute 948) described in the following paragraph of this affidavit, have been made or will be made, either directly or indirectly, from the full weekly wages earned as set out on the attached payroll.

(Paragraph describing deductions, if any)

\_\_\_\_\_ (Signature and Title)

Sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_\_.  
*REDACTED*

ACCEPTANCE

The Owner accepts the following items of the foregoing Proposal to furnish and install approximately \_\_\_\_\_ meter loop services, on the terms and conditions therein stated.

Items \_\_\_\_\_

TOTAL COST PRICE \$ \_\_\_\_\_

\_\_\_\_\_  
Owner

By \_\_\_\_\_  
President

ATTEST.

\_\_\_\_\_  
Secretary

Date \_\_\_\_\_

CONTRACTORS BOND

1. Know all men that we, \_\_\_\_\_  
\_\_\_\_\_, as Principal, and \_\_\_\_\_

\_\_\_\_\_, as Surety, are held  
and firmly bound unto \_\_\_\_\_

(hereinafter called the "Owner") and unto the United States of America  
(hereinafter called the "Government") and unto all persons, firms, and  
corporations who or which may furnish or perform labor in connection  
with the assembling and installing of the main service entrance (here-  
inafter called the "Installations") to the premises of consumers of  
electric energy to be served through the rural electric transmission  
or distribution system (hereinafter called the "System") of the Owner,  
designated by the Rural Electrification Administration as \_\_\_\_\_

\_\_\_\_\_, and to their successors and assigns, in the penal sum of \_\_\_\_\_

\_\_\_\_\_ dollars (\$ \_\_\_\_\_), as hereinafter set forth  
and for the payment of which sum well and truly to be made we bind our-  
selves, our executors, administrators, successors, and assigns jointly  
and severally by these presents. Said Installations are described in  
a certain contract (hereinafter called the "Installation Contract") be-

tween the Owner and the Principal, dated \_\_\_\_\_, 19\_\_\_\_\_,

pursuant and subject to a loan contract or loan contracts (hereinafter  
called the "Loan Contract") between the Owner and the Government, acting  
through the Administrator of the Rural Electrification Administration  
(hereinafter called the "Administrator").

2. The condition of this obligation is such that if the Principal  
shall well and truly perform and fulfill all the undertakings, covenants,  
terms, conditions, and agreements of the Installation Contract and any  
amendments thereto, whether such amendments are for additions, decreases,  
or changes in the Installations or the materials, their locations,  
quantity, kind, or price, or any other purpose whatsoever, and whether  
such amendments are made with or without notice to the Surety, and shall  
fully indemnify and save harmless the Owner and the Government from all  
costs and damages which they, or either of them, shall suffer or incur  
by reason of any failure so to do, and shall fully reimburse and repay  
the Owner and the Government for all outlay and expense which they, or  
either of them, shall incur in making good any such failure of perform-  
ance on the part of the Principal, and shall promptly make payment to

all persons supplying labor for use in the Installations contemplated in the Installation Contract and any amendments thereto, and shall well and truly reimburse the Owner and the Government, as their respective interests may appear, for any excess in the cost of the Installations over the cost thereof as provided in the Installation Contract and any amendments thereto, by any default of the Principal under the Installation Contract and any amendments thereto, then this obligation shall become null and void, but otherwise shall remain in full force and effect.

3. It is expressly agreed that this bond shall be deemed amended automatically and immediately, without formal and separate amendment hereto, upon any amendment to the Installation Contract, so as to bind the Principal and the Surety to the full and faithful performance of the Installation Contract as so amended, provided only that the total amount of all increases in the cost of the Installations shall not exceed 20 percent of the amount of the maximum price set forth in the Installation Contract. The term "amendment", wherever used in this bond, and whether referring to this bond, the Installation Contract or the Loan Contract, shall include any alteration, addition, extension, modification, amendment, rescission, waiver, release, or annulment, of any character whatsoever.

4. It is expressly agreed that any amendment which may be made by agreement or otherwise between the Principal and the Owner in the terms, provisions, covenants, and conditions of the Installation Contract, or in the terms, provisions, covenants, and conditions of the Loan Contract (including, without limitation, the granting by the Administrator to the Owner of any extension of time for the performance of the obligations of the Owner under the Loan Contract or the granting by the Administrator or the Owner to the Principal of any extension of time for the performance of the obligations of the Principal under the Installation Contract, or the failure or refusal of the Administrator or the Owner to take any action, proceeding, or step to enforce any remedy or exercise any right under either the Installation Contract or the Loan Contract, or the taking of any action, proceeding or step by the Administrator or the Owner, acting in good faith upon the belief that the same is permitted by the provisions of the Installation Contract or the Loan Contract) shall not in any way release the Principal and the Surety, or either of them, or their respective executors, administrators, successors, or assigns, from liability hereunder. The Surety hereby acknowledges receipt of notice of any amendment, indulgence or forbearance, made, granted, or permitted.

5. This bond is made for the benefit of all persons, firms, and corporations who or which may furnish or perform any labor for or on account of the Installations to be performed under the Installation Contract and any amendments thereto, and they, and each of them, are hereby made obligees hereunder with the same force and effect as if their names were written herein as such, and they, and each of them, may sue hereon.

IN WITNESS WHEREOF, the undersigned have caused this instrument to be executed and their respective corporate seals to be affixed and attested by their duly authorized representatives this

\_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.

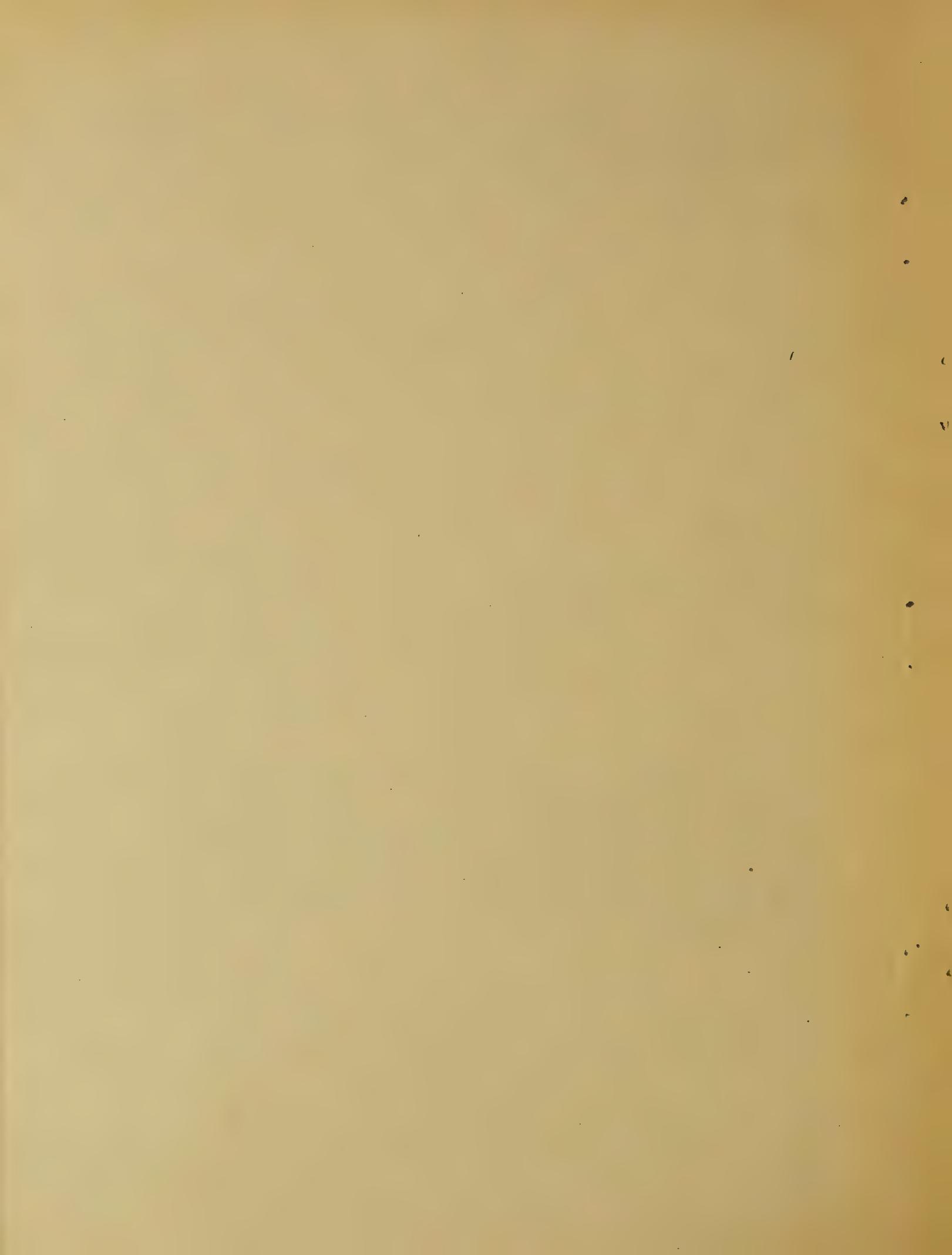
\_\_\_\_\_ (SEAL)  
Principal.

Attest: By \_\_\_\_\_  
Secretary.

\_\_\_\_\_ (SEAL)  
Surety.

Attest: By \_\_\_\_\_  
Secretary.  
By \_\_\_\_\_  
Resident Agent of Surety.

(The Contractor's Bond must be signed with the full name of the Contractor. If the Contractor is a partnership the Contractor's Bond must be signed in the partnership name by each partner. If the Contractor is a corporation the Contractor's Bond must be signed in the corporate name by a duly authorized officer and the corporate seal affixed and attested by the Secretary of the corporation. A type-written copy of all such names and signatures shall be appended. The Contractor's Bond must be countersigned by a duly authorized resident agent of the Surety.)



Department of Agriculture Rural Electrification Administration	CERTIFICATE OF CONTRACTOR'S INSURANCE REA BORROWERS	Date:
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This is to certify that the types of insurance policies designated below have been issued by the \_\_\_\_\_ and are in force on

(Name of Insurance Company)

the date borne by this certificate.

1. Name and address of insured for whom this certificate is issued:

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2. Types of Insurance	Policy Number	Code Number	Expira-tion Date	PL Limits Liability	PD Limits Liability	States in which operations are covered
(a) Statutory Workmen's Compensation				xx	xx	
(b) Employers' Liability						
(c) Contractors' PL&PD						
(d) Employers' Non-owner-ship & Hired Car PL&PD						
(e) Owned Automobile PL&PD						

Such insurance as is afforded by the above policies applies to all of the operations undertaken by the insured for the REA systems located in the states designated above.

The insurance afforded by the above-designated policies is in accordance with the company's standard policies, to which is attached the following endorsement:

"The Insurer agrees with the RURAL ELECTRIFICATION ADMINISTRATION as follows:

- That it will furnish to the Administration a Certificate of Insurance on a form approved for such purpose by said Administration, setting forth the pertinent information regarding the policy to which this endorsement is attached, for each borrower financed by said Administration to which the policy applies.
- That it will attach to said Certificate of Insurance, duplicate copies of any endorsement other than this endorsement, which are attached to said policy at the time said policy is issued, provided only that said endorsements affect the coverage of said policy in respect of operations performed for REA borrowers.
- That it will mail to said Administration a copy of each endorsement subsequently issued to become a part of said policy, provided only that such endorsement affects the coverage of said policy in respect of operations performed for REA borrowers.
- That it will mail to said Administration, at least 10 days before the effective date thereof, notice of cancellation of said policy."

This Certificate and the attached endorsements, if any, are furnished in accordance with the requirements of the RURAL ELECTRIFICATION ADMINISTRATION, in lieu of duplicate originals of the above-designated policies and endorsements attached thereto.

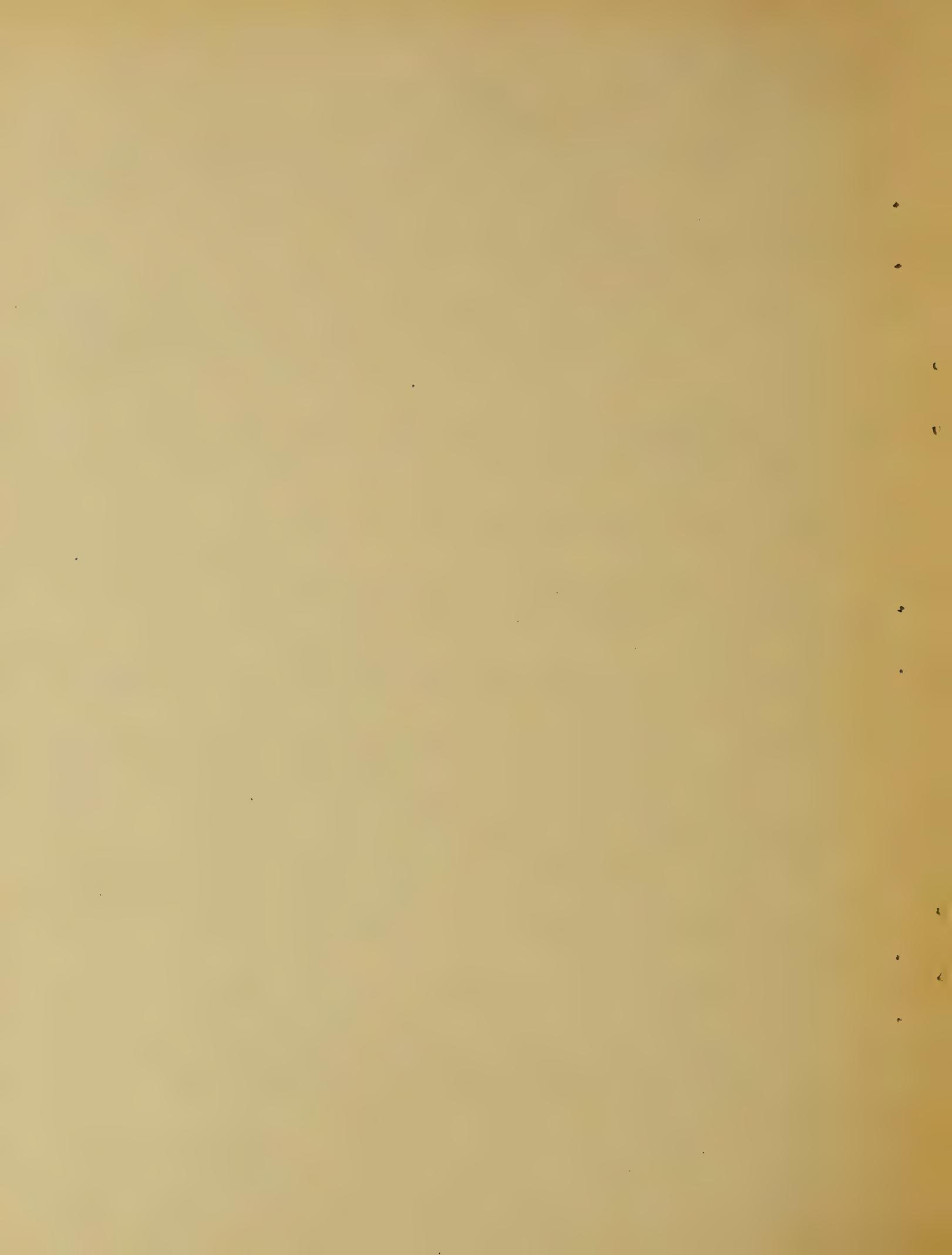
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(Insurer)

By

---

(Authorized Representative)



## METER LOOP SERVICE INSTALLATION SPECIFICATIONS

The Specifications are presumably correct but complete accuracy is not guaranteed. Notes, figures, and writing on the Drawings must be strictly followed as they constitute a part of the Specifications. Should any error or ambiguity be discovered in the Drawings or in the Specifications, the Contractor shall report the same to the Engineer or Manager before starting the work. In the event of a disagreement as to the true intent and meaning of the Specifications, which shall not be adjusted between the Manager and the Contractor, such disagreement shall be referred to the Administrator, and his decision shall be final and conclusive.

All work must be installed in accordance with the National Electrical Code (regulation of the National Board of Fire Underwriters) and any local or state laws in existence at the time of installation.

All work shall be done in a thorough and workmanlike manner in accordance with the Specifications and Drawings, and shall be subject to the acceptance of the Superintendent and the Administrator. Deviations from the Specifications and Drawings shall not be permitted except upon the written permission of the Manager given with the approval of the Administrator.

### SCOPE.

The Specifications cover the installation of Meter Loop Services, for the rural electric transmission or distribution system designated by the Rural Electrification Administration as \_\_\_\_\_.  
Said meter loop service installations consist of groups of 25 or more assembly units.

The System is located in the county or counties of \_\_\_\_\_

State of \_\_\_\_\_.

All the above is as included within the terms of the Loan Contract.

### DRAWINGS.

Drawings showing the types of construction to be used are attached and are part of these Specifications.

### GROUND WIRE.

The ground wire shall extend continuously from the point of connection with the neutral service wire through the clamps which support the service cable to the ground rod to which it shall be firmly clamped.

If on pole meter loops, ground wire will be installed by others as part of line construction (see Engineering Memo 95R4). Grounding conductor may be either medium hard, or soft drawn.

#### GROUNDS.

Ground rods shall be driven full length in undisturbed earth at least two feet from the pole or building and the tops shall be at least 12 inches below the surface of the earth or shall be otherwise protected from mechanical injury or liability to cause injury to persons or animals. The trench and ground rod hole will be back-filled and firmly tamped.

#### METER LOOP SERVICE LOCATION.

The Contractor will be required to obtain approval of the meter loop location, whether on yard pole or residence, from an authorized agent of the Owner whose action shall have the approval of the property owner.

#### METER LOOP SERVICE ON RESIDENCE.

Each Meter Loop Service on a residence shall be located as near the kitchen as possible and shall be in such position to conform to provisions made by high line construction contractor for service drop to premises.

If the house wiring has been completed prior to the installation of the Meter Loop Service on residence, the meter loop and service switch must be located to conform to the termination of the house branch circuits. Service drop wires, ground wire, etc., must be located at least 5 feet, if possible, from all doors or windows.

Unit prices for meter loop service installations on residence will be complete (except meters, meter-bases, and raintight breaker equipment enclosures) including ground rod, ground wire, ground clamp, service entrance cable, weatherproof service head, supports, clamps, inspection, etc. Each conductor of the cable shall extend beyond the service head and form drip loop when connecting to service drop. The bottom of the drip loop shall be not less than six inches below the service head. If State laws require, or the owner desires, conduit or electrical metallic tubing with suitable conductors may be substituted for S-E cable.

Grounding conductor shall be connected to service drop neutral near wire holder, thence run down to ground on outside of building wall and connect to ground electrode by means of approved type clamps of bronze, brass, copper, or similar non-ferrous material. No soldering of copper straps will be permitted. Grounding conductor will be securely fastened in place along side service cable both within the cable straps, which shall be spaced not to exceed 4.5 feet. Owner will furnish meter, meter-base and raintight breaker equipment enclosures, but unit bid will include obtaining this equipment from the Owner's office, installing and connecting same to service entrance cable.

#### METER LOOP SERVICE ON YARD POLE.

Unit prices for meter loop service on yard pole, which will be referred to as "Yard Pole Meter Loop," shall be given for three separate sizes:

1. Four No. 6 .W.G. insulated Type R.P. and one No. 6 A.W.G.  
bare in  $1\frac{1}{4}$  inch rigid conduit or electrical metallic tubing.
2. Four No. 4 A.W.G. insulated Type R.P. and one No. 6 A.W.G.  
bare in  $1\frac{1}{4}$  inch rigid conduit or electrical metallic tubing.

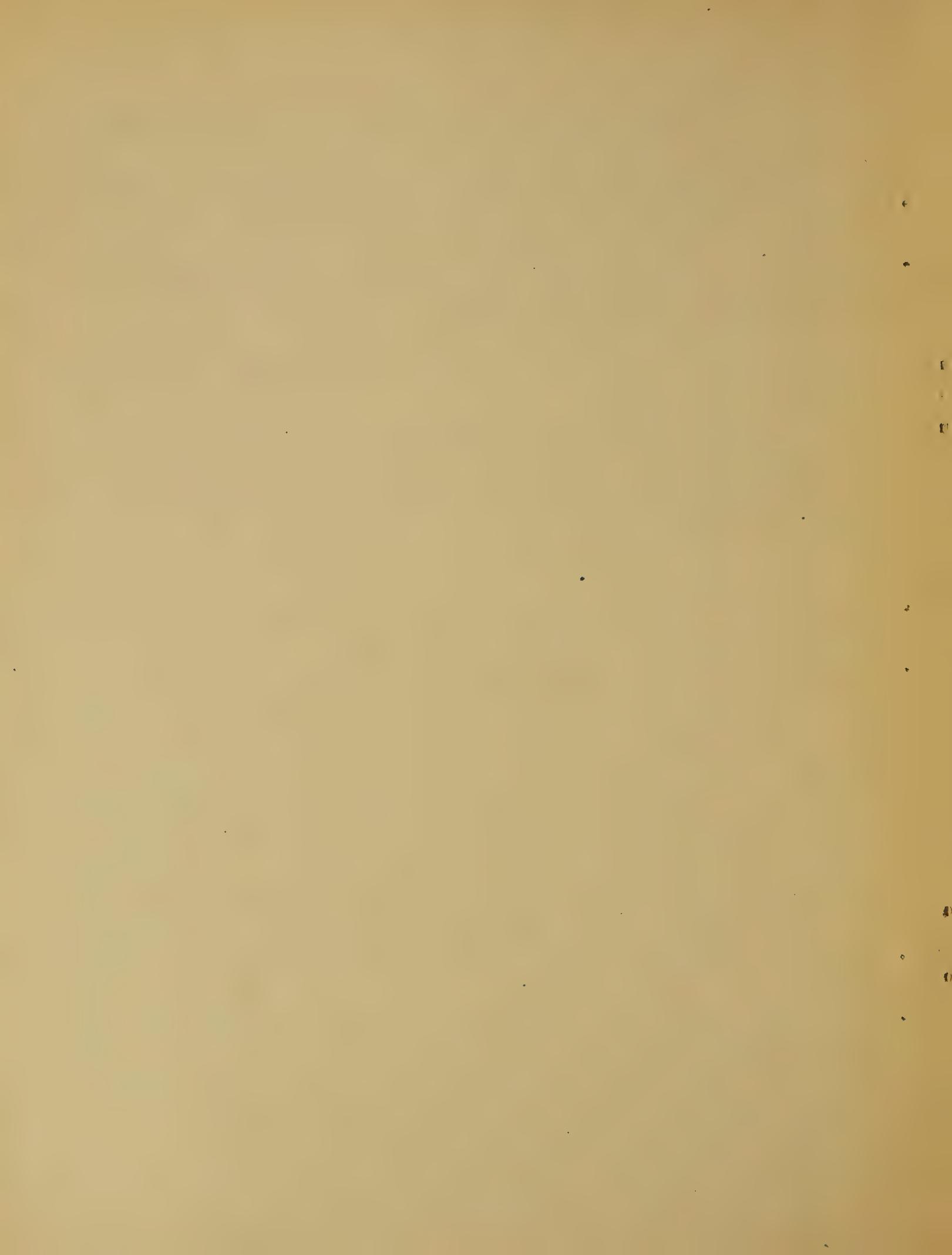
3. Four No. 2 A.W.G. insulated Type R.P. and one No. 6 A.W.G. bare in  $1\frac{1}{2}$  inch rigid conduit or electrical metallic tubing.

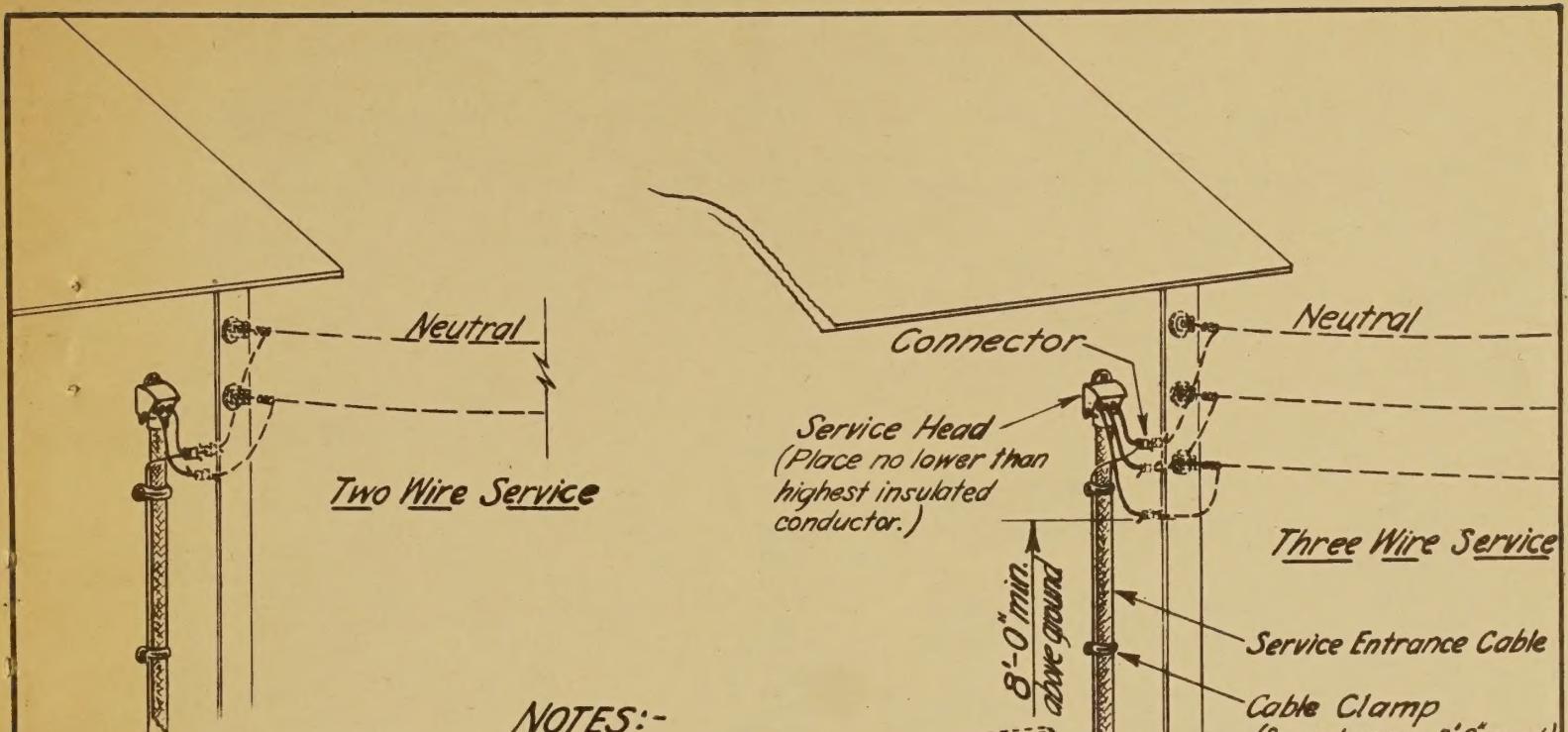
Each unit price will include labor, service conductors, conduit, weather-proof service head, bushings, fittings, supports, etc., and all incidentals to make a complete installation as shown on the Drawing. Meter loop will consist of five wires in conduit, as follows: Two insulated and one bare neutral on line side of meter and two insulated on load side. Neutral of service shall be connected to neutral terminal of meter, and thence continuously without splicing shall be extended to neutral terminal of breaker equipment.

All conductors shall be extended beyond service head to form drip loop connections to building feeders and service drop. The bottom of the drip loop shall be not less than six inches below the service head.

TESTING AND INSPECTION.

Each meter loop service shall be tested for and left free of all grounds, shorts, etc. Contractor will be required to obtain and furnish to the Owner a certificate of inspection and approval in duplicate from the authorized wiring inspector on the project, and to include the cost of each such inspection in the bid price for the assembly unit.





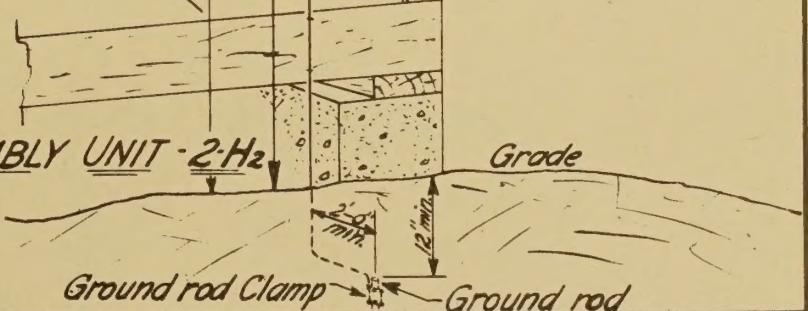
**NOTES:-**

**ASSEMBLY UNIT - 1-H<sub>2</sub>**

1. Load Center, feeder cable, cable connectors & sill plate to be furnished by the consumer.
2. Meter loop assembly, breaker & ground to be furnished by the cooperative.

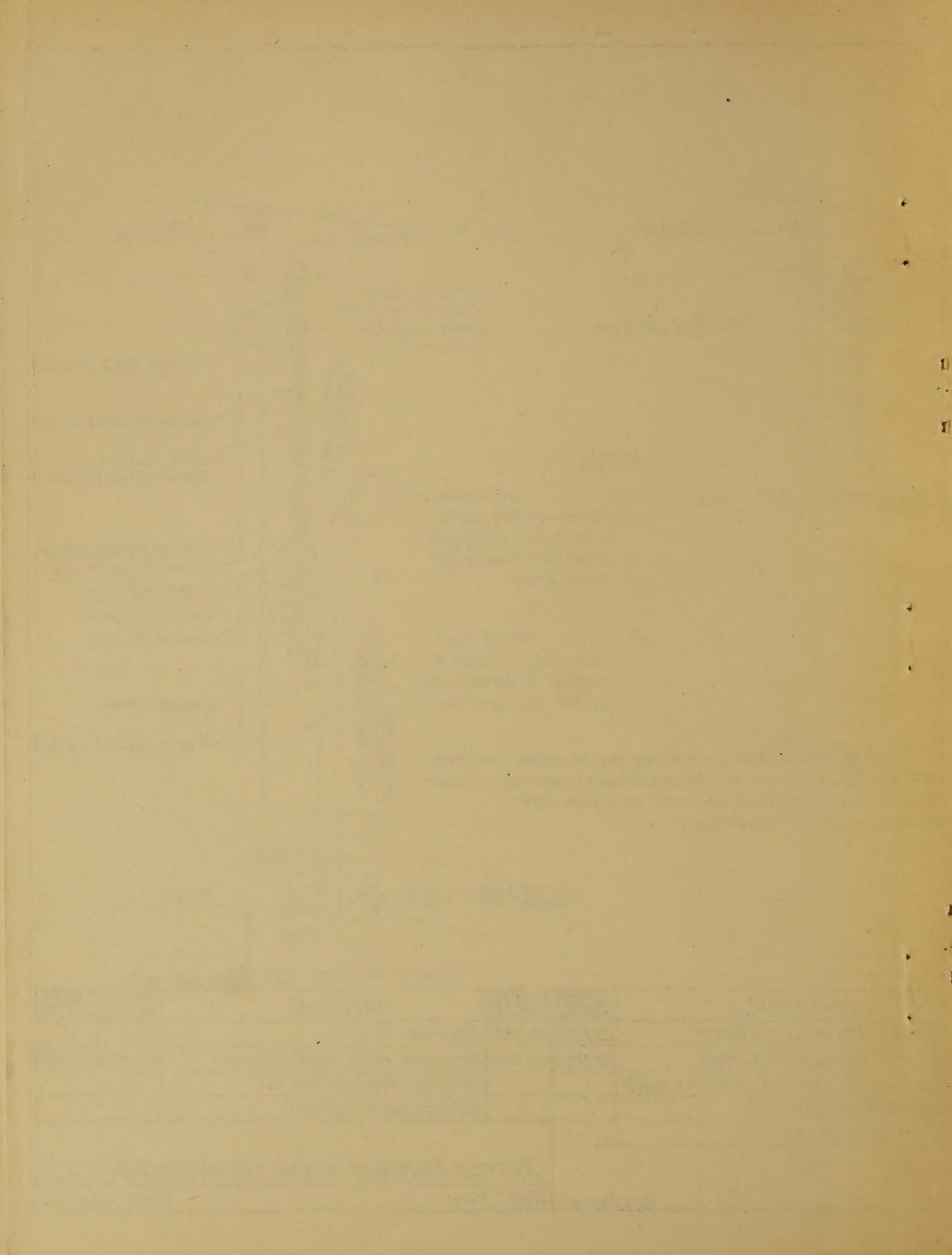
Assembly Units-1H<sub>2</sub> and 2H<sub>2</sub> may be installed as Units 1H<sub>1</sub> and 2H<sub>1</sub> or 1H<sub>3</sub> and 2H<sub>3</sub> by substituting meter and breaker equipment enclosures as shown for yard pole Units in Methods 1 and 3 respectively.

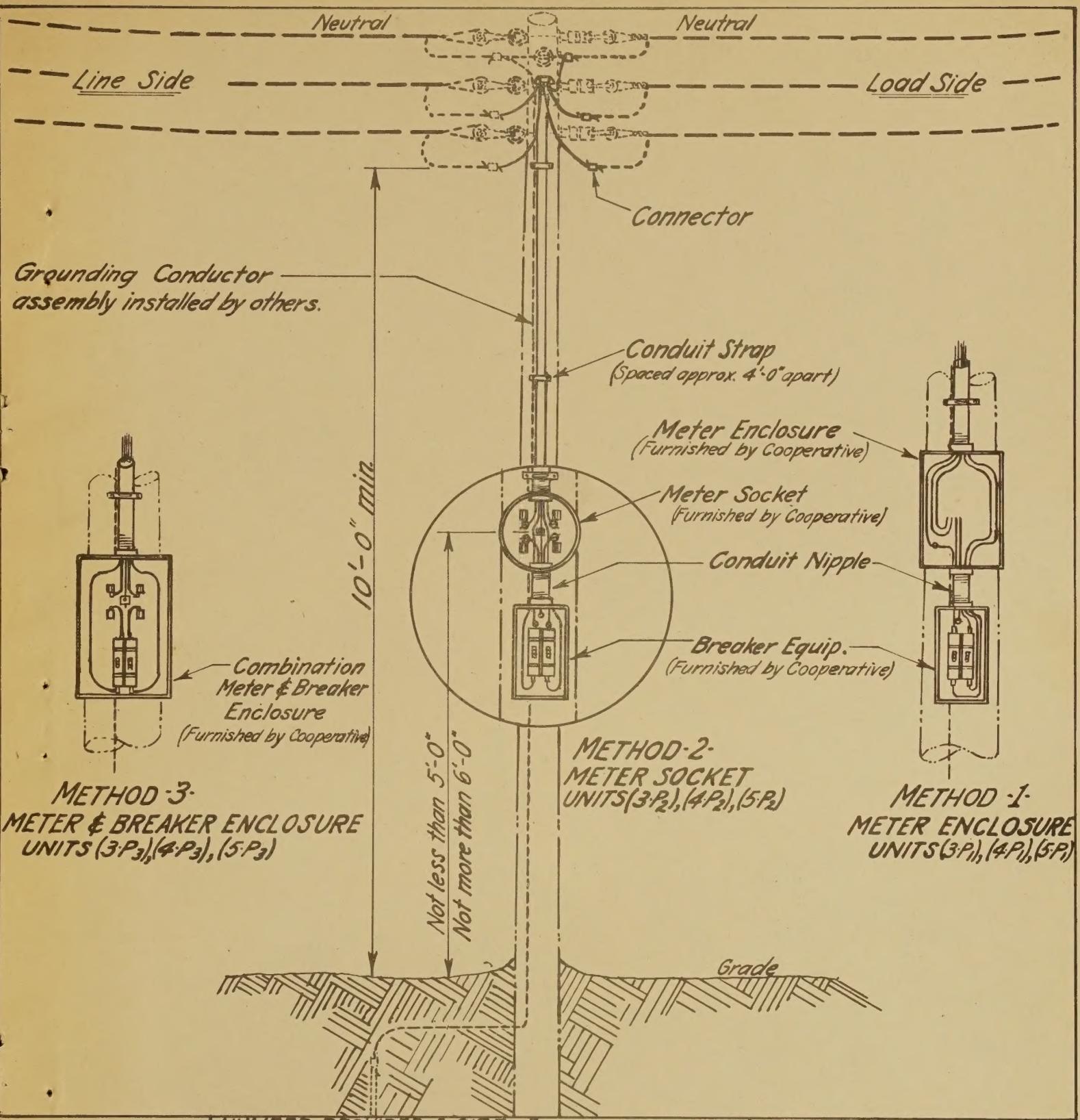
**ASSEMBLY UNIT - 2-H<sub>2</sub>**



MATERIAL	NUMBER REQ'D.		MATERIAL	NUMBER REQ'D.	
	Unit 1-H <sub>2</sub>	Unit 2-H <sub>2</sub>		Unit 1-H <sub>2</sub>	Unit 2-H <sub>2</sub>
Cable, Service Entrance	as req'd	as req'd	Service Head	/	/
Clamp, cable with screws	as req'd	as req'd	Ground Wire, with staples	as req'd	as req'd
Connector, service entrance cable	1	1	Ground Rod, 1/2" x 8'-0"	1	1
Conduit Nipple, 3"	1	1	Clamp, ground rod	1	1
Connector	1	1			

**SERVICE ENTRANCE INSTALLATION (RESIDENCE)**





MATERIAL	NUMBER REQUIRED & SIZE	MATERIAL	NUMBER REQUIRED & SIZE
3P <sub>1</sub> , 3P <sub>2</sub> , 3P <sub>3</sub> , 4P <sub>1</sub> , 4P <sub>2</sub> , 4P <sub>3</sub> , 5P <sub>1</sub> , 5P <sub>2</sub> , 5P <sub>3</sub>		3P <sub>1</sub> , 3P <sub>2</sub> , 3P <sub>3</sub> , 4P <sub>1</sub> , 4P <sub>2</sub> , 4P <sub>3</sub> , 5P <sub>1</sub> , 5P <sub>2</sub> , 5P <sub>3</sub>	
Service Head (5-wire)	1-1/4" 1-1/4" 1-1/2" 1-1/4" 1-1/4" 1-1/2" 1-1/2" 1-1/2" 1-1/2"	Conduit Nipple, 3"	1-1/4" 1-1/2" 1-1/4" 1-1/2" 1-1/4" 1-1/2" 1-1/2" 1-1/2" 1-1/2"
Connector (solderless)	as required	Conductor - RP	4 <sup>#</sup> 6 4 <sup>#</sup> 6 4 <sup>#</sup> 4 4 <sup>#</sup> 4 4 <sup>#</sup> 4 4 <sup>#</sup> 2 4 <sup>#</sup> 2 4 <sup>#</sup> 2
Conduit	1-1/4" 1-1/4" 1-1/4" 1-1/2" 1-1/4" 1-1/2" 1-1/2" 1-1/2" 1-1/2"	Conductor (bare) / Neutral	1 <sup>#</sup> 6
Strap with screws	as required		

### YARD POLE METER INSTALLATION

